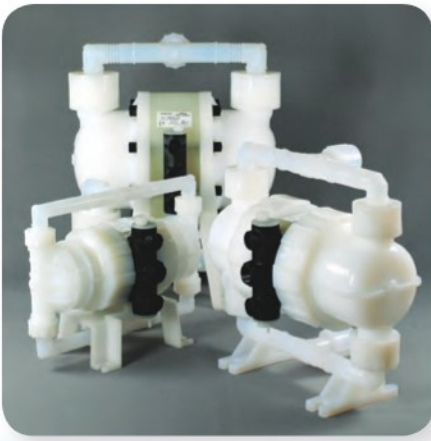


## Pumps

Saint-Gobain is a global leader in dependable, fluoropolymer-based pumps designed specifically for delivery of high-purity and/or aggressive fluids. Our pneumatically-operated Astipure II pumps feature 100% metal free & O-Ring free construction, eliminating any possibility of ionic contamination caused by exposure of corrosive chemicals to such components. Our PV series offers a cost-effective solution for handling corrosive or aggressive media in your drain, sump or industrial applications. In addition to chemical delivery pumps, we offer a wide range of dosing pumps through three product lines: PDP, MDP & PPRD. These pumps provide a solution for dosing from a fraction of a microliter up to 80 milliliters per stroke with an emphasis of reproducibility. Our Furon Precision Dispense Pump offers unparalleled accuracy and reliability in dispensing doses and features an embedded microprocessor-based controller to offer unmatched driving & control capability from your tool.





## FURON<sup>®</sup> Astipure II Bellows Pumps

<b>Pump Mechanism</b>	Bellows
<b>Max. Flow Rate</b>	4 GPM (15 lpm) 8 GPM (30 lpm) 16 GPM (60 lpm) 26 GPM (100 lpm)
<b>Connection Type</b>	Flare Grip II Tube End
<b>Connection Size</b>	1/2", 3/4", 1"
<b>Max Suction Head</b>	10 feet (3m) 12 feet (3.5m) 14 feet (4m)
<b>Max. Back Pressure</b>	80 PSIG (5.5 bar)
<b>Max. Air Pressure</b>	72.5 PSIG (5 bar)
<b>Max. Operating Temperature</b>	212°F (100°C)

### Features/Benefits:

- Constructed from 100% high-purity fluoropolymer materials
- 100% Elastomer free
- Field-proven reliability in aggressive chemicals and slurries
- 2-year warranty, extendable to 6 years with preventive maintenance
- Designed to be maintenance friendly
- Flexible driving system



## FURON<sup>®</sup> High Temperature Bellows Pumps

<b>Pump Mechanism</b>	Bellows
<b>Max. Flow Rate</b>	5 GPM (20 lpm) 13 GPM (50 lpm)
<b>Connection Type</b>	Flare Grip II
<b>Connection Size</b>	3/4", 1"
<b>Max Suction Head</b>	11.5 feet (3.5m) 16.5 feet (5m)
<b>Max. Back Pressure</b>	58 PSIG (4 bar)
<b>Max. Air Pressure</b>	72.5 PSIG (5 bar)
<b>Max. Operating Temperature</b>	350°F (180°C)

### Features/Benefits:

- Capable of handling media temperatures up to 350° F (180° C)
- Designed to be maintenance friendly
- Flow rates up to 13 GPM (50 lpm)
- 100% high-purity PTFE/PFA construction



## FURON<sup>®</sup> PV Series Pumps

<b>Pump Mechanism</b>	Bellows
<b>Max. Flow Rate</b>	8 GPM (30 lpm) 16 GPM (60 lpm)
<b>Connection Type</b>	Flare Grip II
<b>Connection Size</b>	3/4", 1"
<b>Max Suction Head</b>	12 feet (3.5m) 14 feet (4m)
<b>Max. Back Pressure</b>	80 PSIG (5.5 bar)
<b>Max. Air Pressure</b>	72.5 PSIG (5 bar)
<b>Max. Operating Temperature</b>	212°F (100°C)

### Features/Benefits:

- Cost effective solution for handling corrosive or aggressive media in industrial applications
- Ideal for sump or drain application
- 100% PTFE/PFA construction
- 2-year warranty, extendable to 6 years with preventive maintenance
- Flexible driving system



## FURON<sup>®</sup> Turbo Pump

<b>Pump Mechanism</b>	Impeller
<b>Control Mechanism</b>	Magnetic Drive Motor
<b>Max. Discharge Flow Rate</b>	4.5 GPM (18 lpm)
<b>Required Inlet Fluid Pressure</b>	15–60 PSIG (1–4 bar)
<b>Max. Media Temperature</b>	122°F (50°C)
<b>Power Requirements</b>	115/230 VAC Single Phase
<b>Max. Power Consumption</b>	7.4 Amps

### Features/Benefits:

- Seal-free magnetically coupled turbine pump
- High output pressure
- Ideal for use as a booster pump in DI water systems
- PTFE and alumina ceramic wetted parts





## FURON<sup>®</sup> Precision Dispense Pump (PDP)

Pump Mechanism	Rolling Diaphragm
Control Mechanism	Electronic with Pneumatic Valves
Dispense Volume	0.1 – 40.0 mL
Dispense Speed	0.01 – 10 mL/sec
Accuracy	± 10 µL
Max. Suction Head	6' (1.83 m)
Max. Back Pressure	60 PSIG (4.1 bar)
Max. Air Pressure	60 PSIG (4.1 bar)
Max. Air Consumption	0.46 SCFM
Max. Operating Temperature	122°F (50°C)

### Features/Benefits:

- Superior accuracy and reliability
- Virgin PTFE wetted flow path
- 100% Elastomer free
- Ideal for high-purity fluid dispensing applications
- Suitable for use with aggressive, corrosive, and ultrapure media



## FURON<sup>®</sup> Pneumatic Dispensing Pumps (PPRD)

Pump Mechanism	Bellows
Control Mechanism	Pneumatic
Dispense Volume	6 – 40 mL (PPRD1) 8 – 80 mL (PPRD2)
Max. Dispense Speed	0.5 GPM (120 l/hr) 1 GPM (240 l/hr)
Accuracy	± 1%
Max. Suction Head	6' (1.83 m)
Max. Back Pressure	60 PSIG (4 bar)
Max. Air Pressure	72.5 PSIG (5 bar)
Max. Air Consumption	3.5 SCFM
Max. Operating Temperature	212°F (100°C)

### Features/Benefits:

- Designed for dosing small amounts of liquid (up to 80 mL)
- High-purity PTFE/PFA construction
- Accuracy ± 1% per dose
- Suitable for use with aggressive or corrosive media



## FURON<sup>®</sup> Mini-Dispense Pump (MDP)

Pump Mechanism	Rolling Diaphragm
Control Mechanism	Pneumatic
Dispense Volume	0 – 10.0 mL 0 – 0.5 mL
Accuracy	± 1%
Max. Suction Head	6' (1.83 m)
Max. Discharge Pressure	60 PSIG (4.1 bar)
Max. Air Pressure	60 PSIG (4.1 bar)
Max. Air Consumption	0.46 SCFM
Max. Operating Temperature	122°F (50°C)

### Features/Benefits:

- Efficiently dispenses small amounts of liquid (up to 10 mL)
- Suitable for use in aggressive, corrosive, and ultrapure liquids
- Easy manual adjustments for shot size and dispense speed
- Compact footprint

